# Applied Solids Physics A Surfaces

# Volume A 48 1989

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# PHYSICS AND ASTRONOMY CLASSIFICATION SCHEME (PACS)

Shortened version for use in classifying papers for Applied Physics

#### General

- Mathematical methods in physics
- Measurement science and metrology
- Specific instrumentation
  - 07.60 Optical instruments and techniques, detection of radiation 07.65 Optical spectroscopy and spectrometers

  - 07.75 Mass spectrometers and mass-spectroscopy techniques
  - 07.80 Electron and ion microscopes and spectrometers; techniques
  - 07.85 X-ray and gamma-ray instruments and techniques

# Atomic and molecular physics

- Atomic spectra and interactions with photons Molecular spectra and interactions of molecules with photons
- Atomic and molecular collision processes and interactions
- Experimentally derived information on atoms and 35 molecules
- Studies of special atoms and molecules (macro- and polymer molecules, clusters)

### Fundamental areas of phenomenology (including applications)

- **Electricity and magnetism**
- Optics (see also 78)
  - 42.10 Propagation and transmission in homogeneous media
  - 42.20 Propagation and transmission in inhomogeneous media
  - 42.30 Optical information, image formation and analysis
  - 42.40 Holography
  - 42.50 Quantum optics
  - 42.55 Laser processes

    - C Pumping mechanisms
      E Molecular gas lasers (CO<sub>2</sub>, CO, N<sub>2</sub>O, formaldehyde)
    - G Excimer lasers
    - H Atomic, ionic, and other gas lasers
    - M Laser action in liquids and organic dyes
    - P Laser action in semiconductors
    - Laser action in solid-state lasers
    - T Free-electron lasers

  - 42.60 Laser systems and laser-beam applications
    - B Design of specific laser systems
    - D Laser resonators, cavities, and amplifiers
    - Laser beam deflection and focusing
    - Laser beam modulation, mode locking, and tuning
  - 42.65 Nonlinear optics
  - 42.68 Atmospheric optics
  - 42.70 Optical materials
  - 42.80 Optical devices, techniques, and applications (including fiber and integrated optics)
- 43 Acoustics (see also 62)

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  - 61.12 Neutron determination of structures
  - 61.14 Electron determination of structures
  - 61.16 Other determination of structures
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  - 61.40 Amorphous and polymer materials, glasses
  - 61.70 Defects in crystals
  - 61.80 Radiation damage and other irradiation effects
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- Phase equilibria, and phase transitions Thermal properties of condensed matter
- Transport properties of condensed matter (nonelectronic)
  - 66.30 Diffusion and ionic conduction in solids

- Surfaces and interfaces; thin films and whiskers
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  - 68.35 Solid surfaces and solid-solid interfaces
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  - 68.55 Thin films: growth, structure, epitaxy and nonelectronic

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- 68.70 Whiskers and dendrites: growth, structure, and nonelectronic properties

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    - 72.20 Conductivity phenomena in semiconductors and insulators
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Abdelmohsen N., Labib H.H.A., Abou El-Ela A.H., Elsayed S.N.: Electrical properties and thermal conductivity of AgTITe2 in the solid and liquid phases.

Appl. Phys. A 48/3, 251-253 (1989) PACS: 72.20

Dynamical Hopf bifurcation in piezoelectric semiconductor resonators. Appl. Phys. A 48/2, 177-180 (1989) PACS: 72.20H 43.25 72.80 Aktas G., Cil C.Z., Aktulga E.:

Sensitivity analysis of the modulated photocurrent method.

Appl. Phys. A 48/3, 237-240 (1989) PACS: 72.40

Aktulga E., Zaim Cil C., Aktas G.:

Phase shift analysis of modulated photocurrent: A new approach to determining the energy scale.

Appl. Phys. A 48/6, 517-520 (1989) PACS: 72.40

Aoki K., Yamamoto K.:

Nonlinear response and chaos in semiconductors induced by impact ion-

Appl. Phys. A 48/2, 111-125 (1989) PACS: 72.20H 05.45

Aoki K., Mugibayashi N.:

Bifurcation phenomena in a periodically driven current filament and a conjecture on the turbulent patterns by computer simulations.

Appl. Phys. A 48/2, 161-169 (1989) PACS: 72.20H 05.45 aliga S., Jain A.L.:

Effect of compositional variation on the properties of Y-Ba-Cu-O

Appl. Phys. A 48/5, 419-422 (1989) PACS: 74,70

lanerjee J.P., Pati S.P., Roy S.K .:

High frequency characterisation of double drift region InP and GaAs

Appl. Phys. A 48/5, 437-443 (1989) PACS: 85.30

rass S.G., Ghandehari M.H.:

The effect of oxygen ordering through controlled exposure to oxygen on the superconductive properties of LaBa<sub>2</sub>Cu<sub>3</sub>O<sub>v</sub>.

Appl. Phys. A 48/4, 401-404 (1989) PACS: 74.70

runner A.J., Ma E., Nicolet M-A .:

Silicide formation by furnace annealing of thin Si films on large-grained Ni substrates.

Appl. Phys. A 48/3, 229-232 (1989) PACS: 61.70N 68.90 81.90

abanski W., Schulz M.:

Tunneling current-voltage characteristics of Ti-silicide/p-Si/p+Si Schottky diodes.

Appl. Phys. A 48/3, 203-210 (1989) PACS: 71.20 73.40 73.30

astaldini A., Cavallini A., Poggi A., Susi E.:

The electrical activity of stacking faults in Czochralski silicon.

Appl. Phys. A 48/5, 431-436 (1989) PACS: 72.20J 61.70

hakrabarti P., Choudhury S.C., Pal B.B.:

Noise characteristics of a superlattice avalanche photodiode. Appl. Phys. A 48/4, 331-334 (1989) PACS: 72.70 79.20 85.60 Chantre A.:

Introduction to defect bistability.

Appl. Phys. A 48/1, 3-9 (1989) PACS: 61.70 71.00

tho H.Y., Kim E.K., Min S.-K., Choh S.H.:

Isothermal capacitance transient spectroscopy (ICTS) study for midgap levels in Hb-GaAs by rapid thermal annealing.

Appl. Phys. A 48/4, 359-363 (1989) PACS: 61.70A 71.55

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Marucco J.F.:

Positron annihilation at defects in sintered high-T, perovskite super-

Appl. Phys. A 48/4, 335-341 (1989) PACS: 74,70 78,70 61,70

D'Anna E., Leggieri G., Luches A., Luby S., Zemek J .:

Pulsed laser synthesis of titanium silicides using a Q-switched Nd:glass

Appl. Phys. A 48/6, 503-507 (1989) PACS: 68.55 79.20 82.50

Dietrich T.R., Chiussi S., Stafast H., Comes F.J.:

ArF laser CVD of hydrogenated amorphous silicon: The role of buffer

Appl. Phys. A 48/5, 405-414 (1989) PACS: 81.15G 82.50 73.60

Dobrovolskis Z., Grigoras K., Krotkus A.:

Measurement of the hot-electron conductivity in semiconductors using ultrafast electric pulses.

Appl. Phys. A 48/3, 245-249 (1989) PACS: 72.20

Doka O., Miklos A., Lörincz A.:

Resolution of nonlinear thermal wave microscopes.

Appl. Phys. A 48/5, 415-417 (1989) PACS: 73.00 78.00 65.00

Engelmann H., Mouahid F., Dézsi I., Molnár B., Gonser U., Siebert D.,

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Magnetic field dependence of spontaneous oscillation in n-InSb.

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Gladyszewski G., Mikolajczak P.: A new method for studying ion beam mixing.

Appl. Phys. A 48/6, 521-526 (1989) PACS: 61.10 61.55 68.48

Gösele U., Ahn K.-Y., Marioton B.P.R., Tan T.Y., Lee S.-T .:

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Semi-insulating electrical properties of undoped InP after heat treatment in a phosphorus atmosphere.

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Experimental progress in the nonlinear behavior of semiconductors.

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Atomic-level studies of superconducting and nonsuperconducting

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Classification of current instabilities during low-temperature breakdown in germanium

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Relationship between optical and structural properties of hydrogenated amorphous silicon.

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# Surfaces, Interfaces and Layer Structures

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Temperature measurement during laser heating of thin films using temperature-sensitive phosphor.

Appl. Phys. A 48/3, 273-276 (1989) PACS: 07.20 42.60 44.50 78.55 Bäuerle D.:

Laser-induced formation and surface processing of high-temperature superconductors

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Analysis of ionic fragments from 308 nm photoablation of polyimide. Appl. Phys. A 48/6, 543-547 (1989) PACS: 79.20D 82.80

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Effect of process parameters on the properties of plasma sprayed superconducting Y<sub>1</sub>Ba<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> coatings.

Appl. Phys. A **48**/5, 489-492 (1989) PACS: 74.70 52.75 81.20

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Laser-induced chemical etching of silicon in NF3 atmosphere. Appl. Phys. A 48/5, 465-469 (1989) PACS: 81.60 82.60

Lee T.D., Lee H.W., Kim J.K., Park C.O.:

Surface structures on crystalline silicon irradiated by 10 ps laser pulses at 694.3 nm.

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Preparation of TI-Ba-Ca-Cu-O thin films by diffusion of TI into laserevaporated Ba2 Ca2 Cu3 Ox films.

Appl. Phys. A 48/5, 501-502 (1989) PACS: 73.60K 74.70 74.75

Pérez Méndez M., Fayos J., Briones F.:

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Microstructural properties of the interface.

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Name	First Name	Applied Physics	PACS	Name	First Name	Applied Physics	PAC
Abdelmohsen N.	Abdelmohsen N.	A 48/3, 251-253 (1989)	72.20	Chantre A.	Chantre A.	A 48/1, 3-9 (1989)	61.70
Abdel Naby M.	Akkad F.El		73.60F	Chapliev N.I.	Jovicevic S.	A 48/3, 283-287 (1989)	61.80B
Abe Y.	Abe Y.		72.20H	Chapliev N.I.	Ursu I.	A 48/5, 451-456 (1989)	61.80
Abou El-Ela A.H	Abdelmohsen N.		72.20	Chapoulard D.	Guizard S.	B 48/6, 471-477 (1989)	33.80R
Adegboyega G.A.	Adegboyega G.A.		73.30	Chattopadhyay N.	Ghatak K.P.	A 48/4, 365-371 (1989)	73.20
Aguiar M.M.F.	Bento A.C.		78.90	Chebotayev V.P.	Bagayev S.N.	B 48/1, 31-35 (1989)	07.65
Ahn KY.	Gösele U.		61.70	Chen D.	Pang D.	A 48/4, 355-357 (1989)	74.70V
Akkad F.El	Akkad F.El	A 48/5, 493-495 (1989)	73.60F	Chen G.L.	Chen J.M.	A 48/3, 277-281 (1989)	74.70
Aktas G.	Aktas G.	A 48/3, 237-240 (1989)	72.40	Chen J.M.	Chen J.M.	A 48/3, 277-281 (1989)	74.70
Aktas G.	Aktulga E.	A 48/6, 517-520 (1989)	72.40	Chen WM.	Lu MH.	B 48/5, 365-369 (1989)	34.90
Aktulga E.	Aktulga E.	A 48/6, 517-520 (1989)	72.40	Chen Y.L.	Yih T.S.	B 48/5, 421-426 (1989)	42.60
Aktulga E.	Aktas G.	A 48/3, 237-240 (1989) A 48/6, 575-582 (1989)	72.40 73.40R	Chen Z - H	Chen Yijiang	B 48/2, 131-137 (1989) A 48/5, 497-500 (1989)	42.80N
Al-Refaie S.N.	Al-Refaie S.N.	A 48/6, 575-582 (1989) B 48/2 155-164 (1989)	73.40R 78.35	Chen Zhihao	Xie YL. Chen Zhihao	A 48/5, 497-500 (1989) B 48/3, 225-229 (1989)	07.60 42.80
Aldén M. Alonso F M	Bengtsson PE. Alonso E.M.	B 48/2, 155-164 (1989) B 48/3, 249-252 (1989)	33.00	Chen Zhihao Chevy A.	Segura A.	A 48/5, 445-450 (1989)	72.10
Alonso E.M. Altkorn R.I.	Alonso E.M. Altkorn R.I.	B 48/3, 249-252 (1989) A 48/3, 273-276 (1989)	07.20	Chevy A. Chiussi S.	Segura A. Dietrich T.R.	A 48/5, 445-450 (1989) A 48/5, 405-414 (1989)	81.150
Altkorn K.I. Amano S.	Altkorn K.I. Taira Y.	A 48/3, 2/3-2/6 (1989) B 48/5, 389-394 (1989)	07.65	Chiussi S. Cho H.Y.	Cho H.Y.	A 48/5, 405-414 (1989) A 48/4, 359-363 (1989)	61.70/
Amano S. Amelinckx S.	Zandbergen H.W.	A 48/4, 305-314 (1989)	74.70	Choh S.H.	Cho H.Y.	A 48/4, 359-363 (1989)	61.70/
Amerinckx S. Andreshak J.C.	Altkorn R.I.	A 48/3, 273-276 (1989)	07.20	Choudhury S.C.	Chakrabarti P.	A 48/4, 331-334 (1989)	72.70
Ankerhold G.	Ankerhold G.	B 48/2, 101-104 (1989)	42.65P	Christiansen J.	Schölch H.P.	A 48/4, 397-400 (1989)	74.70
Ankerhold G.	Mitschke F.	B 48/6, 467-470 (1989)	42.65P	Chuang JB.	Hwu JG.	A 48/4, 377-383 (1989)	73.00
Aoki K.	Aoki K.	A 48/2, 111-125 (1989)	72.20H	Cil C.Z.	Aktas G.	A 48/3, 237-240 (1989)	72.40
Aoki K.	Aoki K.	A 48/2, 161-169 (1989)	72.20H	Clauβ W.	Peinke J.	A 48/2, 155-160 (1989)	05.45
Arai S.	Arai S.	B 48/5, 427-435 (1989)	82.50	Comes F.J.	Dietrich T.R.	A 48/5, 405-414 (1989)	81.150
Asakura T.	Ritonga J.	B 48/5, 371-377 (1989)	07.60	Corbel C.	Corbel C.	A 48/4, 335-341 (1989)	74.70
Atrens A.	Jin S.	A 48/4, 385-389 (1989)	68.45	Cunin B.	Cunin B.	B 48/1, 41-49 (1989)	02.50
Auyeung R.C.Y.	Auyeung R.C.Y.	B 48/4, 293-297 (1989)	42.65C	Czarnetzki U.	Czarnetzki U.	B 48/1, 37-40 (1989)	33.80
				Czekaj D.	Czekaj D.	A 48/6, 573-574 (1989)	79.20
Bagayev S.N.	Bagayev S.N.	B 48/1, 31-35 (1989)	07.65				
Bajaj P.N.	Manohar K.G.	B 48/6, 525-530 (1989)	31.60	D'Angelo R.J.	Alonso E.M.	B 48/3, 249-252 (1989)	33.00
Bakhramov S.A.	Bakhramov S.A.	B 48/3, 243-244 (1989)	33.00	D'Anna E.	D'Anna E.	A 48/6, 503-507 (1989)	68.55
Bakker K.	Li J.N.	A 48/2, 193-195 (1989)	74.70	Dahlem J.	Engelmann H.	A 48/3, 211-217 (1989)	64.75
Baklanov A.E.	Bagayev S.N.	B 48/1, 31-35 (1989)	07.65	Damzen M.J.	Osborne M.R.	B 48/4, 351-356 (1989)	42.55
Baliga S.	Baliga S.	A 48/5, 419-422 (1989)	74.70	Dasgupta K.	Manohar K.G.	B 48/6, 525-530 (1989)	31.60
Balykin V.I.	Balykin V.I.	B 48/6, 517-523 (1989)	42.65K	Dauwe C.		A 48/4, 343-346 (1989)	78.70
Bandeira I.N.	Bento A.C.	B 48/3, 269-272 (1989)	78.90	Dax A.	Solka H. Wichart Th	B 48/3, 235-242 (1989)	35.80
Banerjee J.P.	Banerjee J.P.	A 48/5, 437-443 (1989)	85.30	Deicher M. Desaintfuscien M.	Wichert Th.	A 48/1, 59-85 (1989) B 48/1, 51-55 (1989)	61.70
Bäuerle D.	Bäuerle D. Pielmayer K	A 48/6, 527-541 (1989) B 48/6, 453-462 (1989)	74.70	Desaintfuscien M. Desaintfuscien M.	Yu J. Meis C	B 48/1, 51-55 (1989) B 48/1, 67-72 (1989)	41.70
Bäuerle D. Baumvol I.J.R.	Piglmayer K. Teixeira S.R.	B 48/6, 453-462 (1989) A 48/5, 481-488 (1989)	82.50 68.55N	Desaintfuscien M. Deutsch T.F.	Meis C. Zysset B.	B 48/1, 67-72 (1989) B 48/2, 139-147 (1989)	32.00 87.60
Baumvol I.J.R. Bauser E.	Konuma M.	A 48/5, 481-488 (1989) A 48/5, 465-469 (1989)	81.60	Deutsch 1.F. DeWames R.E.	Zysset B. Marshall D.B.	B 48/2, 139-147 (1989) A 48/1, 87-91 (1989)	74.60
Bauser E. Bava E.	Bava E.	B 48/6, 495-505 (1989)	32.80	Dézsi I.	Engelmann H.	A 48/1, 87-91 (1989) A 48/3, 211-217 (1989)	64.75
Bava E. Bengtsson PE.	Bengtsson PE.	B 48/2, 155-164 (1989)	78.35	Diatezua M.D.		A 48/4, 343-346 (1989)	
Benker W.	Schölch H.P.	A 48/4, 397-400 (1989)	74.70	Dietrich T.R.	Dietrich T.R.	A 48/5, 405-414 (1989)	81.15
Bento A.C.	Bento A.C.	B 48/3, 269-272 (1989)	78.90	Döbele H.F.	Czarnetzki U.	B 48/1, 37-40 (1989)	33.80
Berdikulov A.T.	Bakhramov S.A.	B 48/3, 243-244 (1989)	33.00	Dobrovolskis Z.	Dobrovolskis Z.	A 48/3, 245-249 (1989)	
Bergholz W.	Pensl G.	A 48/1, 49-57 (1989)	71.55F	Doka O.	Doka O.	A 48/5, 415-417 (1989)	73.00
Bernède P.	Corbel C.	A 48/4, 335-341 (1989)	74.70	Dransfeld K.	Güthner P.	B 48/1, 89-92 (1989)	61.16
Betz J.	Lengfellner H.	A 48/5, 501-502 (1989)	73.60K	Dunkle E.	Highland R.	B 48/4, 357-364 (1989)	42.65
Beuermann Th.	Zhang Y.	B 48/1, 97-100 (1989)	81.15H	Dunkle E.A.	Johnson D.E.	B 48/5, 445-448 (1989)	42.60
Boquillon J.P.	Mutin P.	B 48/5, 411-416 (1989)	33.20F	Du Y.C.	Sun D.C.	A 48/6, 567-571 (1989)	52.80
Bor Zs.	Hebling J.	B 48/5, 401-403 (1989)	42.55M	Dychkov A.S.	Bagayev S.N.	B 48/1, 31-35 (1989)	07.65
Bötticher W.	Hammer Th.	B 48/1, 73-84 (1989)	42.55G	Dyer P.E.	Dyer P.E.	B 48/6, 489-493 (1989)	82.50
Brandl A.	Spangler J.	A 48/2, 143-147 (1989)	05.40	W11.4 F	** ***		
Brand U.	Brand U.	B 48/4, 343-350 (1989)	42.50	Eitle J.	Ugolini D.	A 48/6, 549-558 (1989)	
Brass S.G.	Brass S.G.	A 48/4, 401-404 (1989)	74.70	Eitle J.	Wittmer M.	A 48/6, 559-566 (1989)	
Brenner S.S.	Kellogg G.L.	A 48/3, 197-201 (1989)	74.70V	Elsayed S.N.	Abdelmohsen N.	A 48/3, 251-253 (1989)	
Briones F.	Pérez Méndez M.	A 48/5, 471-473 (1989)	78.50G	Endoh A.	Watanabe M.	B 48/5, 417-420 (1989)	
Brüggemann R.	Brüggemann R.	B 48/2, 105-110 (1989)	42.60	Engelmann H.	Engelmann H.	A 48/3, 211-217 (1989) B 48/6, 463-466 (1989)	
Brunner A.J.	Brunner A.J.	A 48/3, 229-232 (1989)	61.70N	Ernst W.E. Etspüler A.	Rakowsky S. Etspüler A	B 48/6, 463-466 (1989)	
Bues K.	Campbell E.E.B.	A 48/6, 543-547 (1989) A 48/1, 25-30 (1989)	79.20D	Lispuier A.	Etspüler A.	A 48/4, 373-375 (1989)	81.13
Bürger N.	Irion E.	A 48/1, 25-30 (1989)	71.55H	Fabbri R.	Solmi S.	A 49/3 255 260 (1000)	61.70
Cabanski W.	Cabanski W.	A 48/3, 203-210 (1989)	71.20	Facin J.A.	Facin J.A.	A 48/3, 255-260 (1989) B 48/3, 245-248 (1989)	
Cabanski W. Campbell E.E.B.	Cabanski W. Campbell E.E.B.	A 48/3, 203-210 (1989) A 48/6, 543-547 (1989)	71.20 79.20D	Facin J.A. Farkas Gy.	Vodopyanov K.L.	B 48/5, 245-248 (1989) B 48/6, 485-488 (1989)	32.80
Campbell E.E.B.	Segura A.	A 48/5, 445-450 (1989)	72.10	Fayos J.	Pérez Méndez M.	A 48/5, 471-473 (1989)	
Cantarero A.	Solmi S.	A 48/3, 443-430 (1989) A 48/3, 255-260 (1989)	61.70	Feldman B.J.	Auyeung R.C.Y.	B 48/4, 293-297 (1989)	
Carusotto S.	Carusotto S.	B 48/3, 231-234 (1989)	42.70	Feldmann J.	Weller A.	A 48/6, 509-515 (1989)	
Casanovas A.	Segura A.	A 48/5, 445-450 (1989)		Ferrari C.A.	Facin J.A.	B 48/3, 245-248 (1989)	
Cassidy D.T.	Hayward J.E.	B 48/1, 25-29 (1989)	42.60K	Fickenscher P.	Schölch H.P.	A 48/4, 397-400 (1989)	
Castaldini A.	Castaldini A.	A 48/5, 431-436 (1989)	72.20J	Fischer H.	Brüggemann R.	B 48/2, 105-110 (1989)	
Castaldini A.	Adegboyega G.A.	A 48/4, 391-395 (1989)		Fischer U.Ch.	Güthner P.	B 48/1, 89-92 (1989)	61.10
Cavallini A.	Adegboyega G.A. Adegboyega G.A.	A 48/4, 391-395 (1989)		Franke H.	Reuter R.	B 48/3, 219-224 (1989)	42.8
Cavallini A.	Castaldini A.	A 48/5, 431-436 (1989)		Frank K.	Schölch H.P.	A 48/4, 397-400 (1989)	
Cembali F.	Solmi S.	A 48/3, 255-260 (1989)		Franse J.J.M.	Li J.N.	A 48/2, 193-195 (1989)	
Chakrabarti P.	Chakrabarti P.	A 48/4, 331-334 (1989)	72.70	Freire F.L. Jr.	Teixeira S.R.	A 48/5, 481-488 (1989)	
	Manohar K.G.	B 48/6, 525-530 (1989)	31.60	Frerking D.	Ankerhold G.	(1,10)	

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1.70	Fujii K.	Fuiii K.	A 48/2, 189-191 (1989)	72.20H	Ishikawa Y.	Arai S.	3 48/5, 427-435 (1989)	82.50
	Fujimoto J.G.	Zysset B.	B 48/2, 139-147 (1989)	87.60	Ishizaka S.		3 48/2, 111-113 (1989)	33.00
	Fukuda K.	Fukuda K.	A 48/2, 171-175 (1989)	72.15N	Isomura S.	Arai S.	8 48/5, 427-435 (1989)	82.50
	Fu SL.	Hwu JG.	A 48/4, 377-383 (1989)	73.00	Itoh T.	Itoh T.	A 48/4, 321-323 (1989)	74.70
	Garelli G.	Ioli N.	B 48/4, 299-304 (1989)	42.55	Jain A.L.		A 48/5, 419-422 (1989)	74.70
	Gauyacq D.	Guizard S.	B 48/6, 471-477 (1989)	33.80R	Jardino M.		B 48/1, 67-72 (1989)	32.00
	Gely B.	Meis C.	B 48/1, 67-72 (1989)	32.00 61.70	Jennings D.A.		B 48/4, 311-313 (1989) A 48/4, 385-389 (1989)	42.65 68.45
	Genzel L. Geoffroy B.	Griffin J.A. Cunin B.	A 48/1, 41-47 (1989) B 48/1, 41-49 (1989)	02.50	Jin S. Johansen H.		B 48/6, 479-484 (1989)	33.80E
	Georgiou E.	Pollock C.R.	B 48/4, 287-292 (1989)	42.60L	Johnson D.E.		B 48/4, 339-342 (1989)	42.55k
	Gerasimchuk A.	Gerasimchuk A.	B 48/6, 513-516 (1989)	42.55E	Johnson D.E.		B 48/5, 445-448 (1989)	42.60
	Ghandehari M.H.	Brass S.G.	A 48/4, 401-404 (1989)	74.70	Johst K.	Johst K.	B 48/6, 479-484 (1989)	33.80E
	Ghatak K.P.	Ghatak K.P.	A 48/4, 365-371 (1989)	73.20	Jovicevic S.		A 48/3, 283-287 (1989)	61.80B
	Ghezzi C.	Ghezzi C.	A 48/5, 457-463 (1989)	71.55	Jungwirt G.	Peinke J.	A 48/2, 155-160 (1989)	05.45
	Giordano G.	Letardi T. Gislason H.P.	B 48/1, 55-58 (1989) A 48/1, 11-24 (1989)	52.80V 71.55E	Kadowaki K.	Li J.N.	A 48/2, 193-195 (1989)	74.70
	Gislason H.P. Gladyszewski G.	Gladyszewski G.	A 48/6, 521-526 (1989)	61.10	Kaetsu H.		B 48/5, 427-435 (1989)	82.50
	Gnaser H.	Gnaser H.	A 48/3, 261-271 (1989)	79.20N	Karthikeyan J.		A 48/5, 489-492 (1989)	74.70
	Göbel E.O.	Siegner U.	B 48/1, 21-23 (1989)	42.65R	Karve R.S.		B 48/5, 437-443 (1989)	82.50
	Göbel E.O.	Weller A.	A 48/6, 509-515 (1989)	73.20D	Keating P.	Johnson D.E.	B 48/4, 339-342 (1989)	42.55k
2.40	Godone A.	Bava E.	B 48/6, 495-505 (1989)	32.80	Keller R.		A 48/1, 59-85 (1989)	61.70
	Gombia E.	Ghezzi C.	A 48/5, 457-463 (1989)	71.55	Kellogg G.L.		A 48/3, 197-201 (1989)	74.70V
	Gonser U.	Engelmann H.	A 48/3, 211-217 (1989)	64.75 61.70	Kielczynski P.		B 48/5, 383-388 (1989)	62.30 62.30
4.70	Gösele U. Griffin J.A.	Gösele U. Griffin J.A.	A 48/3, 219-228 (1989) A 48/1, 41-47 (1989)	61.70	Kielczynski P. Kikuchi H.	Kielczynski P. Uehara K.	A 48/5, 423-429 (1989) B 48/2, 125-129 (1989)	42.60H
2.50	Grigoras K.	Dobrovolskis Z.	A 48/3, 245-249 (1989)	72.20	Kim E.K.	Cho H.Y.	A 48/4, 359-363 (1989)	61.70A
3.80K 9.20	Groen W.A.	Zandbergen H.W.	A 48/4, 305-314 (1989)	74.70	Kim J.K.	Lee T.D.	A 48/5, 475-479 (1989)	79.20D
7.20	Grosse P.	Grosse P.	B 48/1, 59-65 (1989)	07.65G	Klebniczki J.	Hebling J.	B 48/5, 401-403 (1989)	42.55M
3.00	Grübel G.	Wichert Th.	A 48/1, 59-85 (1989)	61.70	Kneubühl F.K.	Leuthard W.	B 48/1, 1-20 (1989)	42.55E
8.55	Guizard S.	Guizard S.	B 48/6, 471-477 (1989)	33.80R	Kneubühl F.K.	Meier R.	B 48/3, 187-211 (1989)	52.00
4.75	Güthner P.	Güthner P.	B 48/1, 89-92 (1989)	61.16	Kobakhidze A.A.	Ionov I.	B 48/6, 507-511 (1989)	42.80
2.55G	Gupta A.	Altkorn R.I.	A 48/3, 273-276 (1989) A 48/5, 497-500 (1989)	07.20 07.60	Koch R.H.	Verbruggen A.H.	A 48/3, 233-236 (1989)	06.00
1.60	Gu SJ.	Xie YL.	A 48/3, 497-300 (1989)	07.00	Kohsaka R. Kokharov A.M.	Fukuda K. Bakhramov S.A.	A 48/2, 171-175 (1989) B 48/3, 243-244 (1989)	72.15N 33.00
8.70	Hager G.	Highland R.	B 48/4, 357-364 (1989)	42.65	Kolesnikov N.N.	Ursu I.	A 48/5, 451-456 (1989)	61.80
5.80	Hager G.D.	Johnson D.E.	B 48/4, 339-342 (1989)	42.55k	Konjevic N.	Jovicevic S.	A 48/3, 283-287 (1989)	61.80B
1.70	Hamaguchi C.	Yamada K.	A 48/2, 149-153 (1989)	05.40	Konov V.I.	Jovicevic S.	A 48/3, 283-287 (1989)	61.80B
2.00	Hammer Th.	Hammer Th.	B 48/1, 73-84 (1989)	42.55G	Konov V.I.	Ursu I.	A 48/5, 451-456 (1989)	61.80
7.60	Hanko L.	Highland R.	B 48/4, 357-364 (1989)	42.65	Konuma M.	Konuma M.	A 48/5, 465-469 (1989)	81.60
4.60G	Hartmann W.	Schölch H.P.	A 48/4, 397-400 (1989)		Korman R.	Corbel C.	A 48/4, 335-341 (1989)	74.70
4.75	Hartung J.	Griffin J.A.	A 48/1, 41-47 (1989) A 48/3, 289-294 (1989)	61.70 42.78D	Kornilov S. Kozirev A.B.	Gerasimchuk A.	B 48/6, 513-516 (1989)	42.55E
8.70	Hatta A. Hayashi Y.	Wittke W. Sakata I.	A 48/4, 295-304 (1989)		Kozlov D.N.	Czekaj D. Kozlov D.N.	A 48/6, 573-574 (1989) B 48/3, 273-283 (1989)	79.20 42.65
1.15G 3.80K	Hayward J.E.	Hayward J.E.	B 48/1, 25-29 (1989)	42.60K	Krishnamachari S.L.		B 48/5, 437-443 (1989)	82.50
2.20	Hebling J.	Hebling J.	B 48/5, 401-403 (1989)	42.55M	Krotkus A.	Dobrovolskis Z.	A 48/3, 245-249 (1989)	72.20
3.00	Heeck K.	Verbruggen A.H.	A 48/3, 233-236 (1989)	06.00	Küchler R.	Rauschenbach B.	A 48/4, 347-354 (1989)	61.80
1.16	Heisel F.	Cunin B.	B 48/1, 41-49 (1989)	02.50	Kudryavtsev Yu.A.	Kudryavtsev Yu.A.	B 48/1, 93-96 (1989)	32.80F
2.65	Helmcke J.	Morinaga A.	B 48/2, 165-171 (1989)	32.00	Kuhl J.	Konuma M.	A 48/5, 465-469 (1989)	81.60
2.60	Helmcke J.	Brand U.	B 48/4, 343-350 (1989)	42.50	Kulakov M.P.	Ursu I.	A 48/5, 451-456 (1989)	61.80
2.80	Hertel I.V.	Campbell E.E.B.	A 48/6, 543-547 (1989) B 48/5, 401-403 (1989)		Kulevskii L.A. Kürner W.	Vodopyanov K.L. Irion E.	B 48/6, 485-488 (1989) A 48/1, 25-30 (1989)	32.80K 71.55H
7.65	Heszler P. Highland R.	Hebling J. Highland R.	B 48/4, 357-364 (1989)		Kurup M.B.	Karthikeyan J.	A 48/5, 489-492 (1989)	
2.50	Highland R.G.	Johnson D.E.	B 48/5, 445-448 (1989)		rear up 141.D.	reminine yan s.	14 40/3, 407-472 (1707)	74.70
9.60	Hofer W.O.	Gnaser H.	A 48/3, 261-271 (1989)		Labib H.H.A.	Abdelmohsen N.	A 48/3, 251-253 (1989)	72.20
3.40	Hofmann D.	Hofmann D.	A 48/4, 315-319 (1989)	72.80E	Lakshmikumar S.T.	Lakshmikumar S.T.	A 48/4, 325-329 (1989)	74.40Y
2.20	Hollmann E.K.	Czekaj D.	A 48/6, 573-574 (1989)		Lange W.	Mitschke F.	B 48/6, 467-470 (1989)	42.65P
2.55H	Hölzlein K.	Pensl G.	A 48/1, 49-57 (1989)	71.55F	Lange W.	Ankerhold G.	B 48/2, 101-104 (1989)	
4.75	Horani M.	Guizard S.	B 48/6, 471-477 (1989)		Langhals H.		. B 48/6, 449-452 (1989)	
3.20K	Horváth Z.Gy.	Vodopyanov K.L.	B 48/6, 485-488 (1989) A 48/2, 193-195 (1989)		Lawandy N.M. Lazzaro P. Di	Ryan J.C. Letardi T.	B 48/2, 173-182 (1989)	42.55H 52.80V
1.15G	Huang Y.K. Huebener R.P.	Li J.N. Huebener R.P.	A 48/2, 193-193 (1989) A 48/2, 107-110 (1989)		Lee H.W.	Lee T.D.	B 48/1, 55-58 (1989) A 48/5, 475-479 (1989)	
1.70	Huebener R.P.	Peinke J.	A 48/2, 155-160 (1989)		Lee S.T.	Gösele U.	A 48/3, 219-228 (1989)	
2.55	Huguenin D.	Huguenin D.	A 48/6, 583-585 (1989)		Lee T.D.	Lee T.D.	A 48/5, 475-479 (1989)	
2.80K	Humphreys Jr. R.H		B 48/4, 339-342 (1989)		Leggieri G.	D'Anna E.	A 48/6, 503-507 (1989)	
8.50G	Hutchinson M.H.R.	Osborne M.R.	B 48/4, 351-356 (1989)	42.55G	Lengfellner H.	Lengfellner H.	A 48/5, 501-502 (1989)	73.60K
2.65C	Hutchison J.L.	Pensl G.	A 48/1, 49-57 (1989)	71.55F	Lépine T.	Cunin B.	B 48/1, 41-49 (1989)	02.50
3.20D	Hwu JG.	Hwu JG.	A 48/4, 377-383 (1989	73.00	Letardi T.	Letardi T.	B 48/1, 55-58 (1989)	52.80V
2.55	Innoniai F	Comment - C	D 49/2 231 234 /1000	42.70	Letokhov V.S.	Kudryavtsev Yu.A.	B 48/1, 93-96 (1989)	32.80F
4.70	Iacopini E. Inaba H.	Carusotto S.	B 48/3, 231-234 (1989) B 48/2, 183-185 (1989)		Letokhov V.S. Leuthard W.	Balykin V.I.	B 48/6, 517-523 (1989)	42.65K 42.55E
2.60	loli N.	Scott R.Q. Ioli N.	B 48/4, 299-304 (1989)		Li F.M.	Leuthard W. Sun D.C.	B 48/1, 1-20 (1989) A 48/6, 567-571 (1989)	
1.16	Ioli N.	Ioli N.	B 48/4, 305-309 (1989)		Li H.	Xie YL.	A 48/5, 497-500 (1989)	
2.80 4.70	Ionov S.I.	Ionov I.	B 48/6, 507-511 (1989)		Li J.N.	Li J.N.	A 48/2, 193-195 (1989)	
4.70	Irion E.	Irion E.	A 48/1, 25-30 (1989)	71.55H	Lin SC.	Ishihara T.	B 48/4, 315-326 (1989)	
8.55N	Ishihara T.	Ishihara T.	B 48/4, 315-326 (1989		Liu JT.	Wang KM.	A 48/3, 241-244 (1989)	
	Ishikawa J.	Morinaga A.	B 48/2, 165-171 (1989	32.00	Liu XJ.	Wang KM.	A 48/3, 241-244 (1989)	29.700

Name	First Name	Applied Physics	PACS	Name	First Name	Applied Physics	PACS
.o D.	Lo D.	B 48/5, 405-410 (1989)	42.55G	Pajewski W.	Kielczynski P.	B 48/5, 383-388 (1989)	62.30
		B 48/6, 449-452 (1989)	42.55M		Kielczynski P.	A 48/5, 423-429 (1989)	62.30
Loloee M.R.	Song X.N.	A 48/2, 137-141 (1989)	72.20H		Chakrabarti P.	A 48/4, 331-334 (1989)	72.70
örincz A.	Miklos A.	B 48/3, 213-218 (1989)	07.65		Lu MH.	B 48/5, 365-369 (1989)	34.90
örincz A.	Miklos A.	B 48/3, 261-267 (1989)	65.00		Pang D.	A 48/4, 355-357 (1989)	74.70V
		A 48/5, 415-417 (1989)	73.00				05.45
orincz A.	Doka O. D'Anna E.				Huebener R.P. Peinke J.	A 48/2, 107-110 (1989) A 48/2, 155-160 (1989)	
uby S.		A 48/6, 503-507 (1989)	68.55			A 48/2, 155-160 (1989)	05.45 70.200
uches A.	D'Anna E.	A 48/6, 503-507 (1989)	68.55		Lee T.D.	A 48/5, 475-479 (1989)	79.20D
и МН.	Lu MH.	B 48/5, 365-369 (1989)	34.90	Pascard H.	Nayak A.K. Corbel C.	B 48/5, 437-443 (1989) A 48/4, 335-341 (1989)	82.50 74.70
fa E.	Brunner A.J.	A 48/3, 229-232 (1989)	61.70N		Karthikeyan J.	A 48/5, 489-492 (1989)	74.70
fanohar K.G.		B 48/6, 525-530 (1989)	31.60		Banerjee J.P.	A 48/5, 437-443 (1989)	85.30
fa P.	Arai S.	B 48/5, 427-435 (1989)	82.50	Peinke J.	Huebener R.P.	A 48/2, 107-110 (1989)	05.45
Marioton B.P.R.	Gösele U.	A 48/3, 219-228 (1989)	61.70	Peinke J.	Peinke J.	A 48/2, 155-160 (1989)	05.45
farshall D.B.	Marshall D.B.	A 48/1, 87-91 (1989)	74.60G	Pensl G.	Pensl G.	A 48/1, 49-57 (1989)	71.55F
Aartinez-Pastor J.	Segura A.	A 48/5, 445-450 (1989)	72.10	Pensi G.	Irion E.	A 48/1, 25-30 (1989)	71.55H
Aartinez-Tomás C.	Segura A.	A 48/5, 445-450 (1989)	72.10	Penzkofer A.	Qiu P.	B 48/2, 115-124 (1989)	42.55M
Marucco J.F.	Corbel C.	A 48/4, 335-341 (1989)	74.70		Facin J.A.	B 48/3, 245-248 (1989)	42.55
Mauer D.	Brüggemann R.	B 48/2, 105-110 (1989)	42.60	Pereira D.	Ioli N.	B 48/4, 299-304 (1989)	42.55
Mayer K.M.	Peinke J.	A 48/2, 155-160 (1989)	05.45	Pérez Méndez M.	Pérez Méndez M.	A 48/5, 471-473 (1989)	78.50G
Abosei L.		A 48/4, 343-346 (1989)	78.70		Weller A.	A 48/6, 509-515 (1989)	73.20D
		A 48/4, 343-346 (1989) A 48/4, 343-346 (1989)	78.70		Brüggemann R.	B 48/2, 105-110 (1989)	42.60
			52.00		Kudryavtsev Yu.A.	B 48/1, 93-96 (1989)	32.80F
Aeier R.	Meier R.	B 48/3, 187-211 (1989) B 48/1, 67-72 (1989)			Piglmayer K.	B 48/6, 453-462 (1989)	82.50
Meis C.	Meis C.		32.00		Ghezzi C.	A 48/5, 457-463 (1989)	71.55
Menken M.J.V.	Li J.N.	A 48/2, 193-195 (1989)	74.70		Jovicevic S.	A 48/3, 283-287 (1989)	61.80B
Menovsky A.A.	Li J.N.	A 48/2, 193-195 (1989)	74.70		Pollock C.R.	B 48/4, 287-292 (1989)	42.60L
Mensing F.	Brand U.	B 48/4, 343-350 (1989)	42.50		Yu J.	B 48/1, 51-55 (1989)	41.70
Mesli A.	Zundel T.	A 48/1, 31-40 (1989)	66.30				
Miehé J.A.	Cunin B.	B 48/1, 41-49 (1989)	02.50		Adegboyega G.A.	A 48/4, 391-395 (1989)	73.30
Mihailescu I.N.	Ursu I.	A 48/5, 451-456 (1989)	61.80		Castaldini A.	A 48/5, 431-436 (1989)	72.20J
Miklos A.	Miklos A.	B 48/3, 213-218 (1989)	07.65		Carusotto S.	B 48/3, 231-234 (1989)	42.70
Miklos A.	Miklos A.	B 48/3, 261-267 (1989)	65.00		Pollock C.R.	B 48/4, 287-292 (1989)	42.60L
Miklos A.	Doka O.	A 48/5, 415-417 (1989)	73.00		Rauschenbach B.	A 48/4, 347-354 (1989)	61.80
Mikolajczak P.	Gladyszewski G.	A 48/6, 521-526 (1989)	61.10		Pozela J.	A 48/2, 181-188 (1989)	72.20
Min SK.	Cho H.Y.	A 48/4, 359-363 (1989)	61.70A		Spangler J.	A 48/2, 143-147 (1989)	05.40
Miranda L.C.M.	Bento A.C.	B 48/3, 269-272 (1989)	78.90	Prettl W.	Peinke J.	A 48/2, 155-160 (1989)	05.45
Mitschke F.	Mitschke F.	B 48/6, 467-470 (1989)	42.65P	Protsenko E.	Gerasimchuk A.	B 48/6, 513-516 (1989)	42.55E
Mitschke F.	Ankerhold G.	B 48/2, 101-104 (1989)	42.65P				
Mittal J.P.	Nayak A.K.	B 48/5, 437-443 (1989)	82.50	Qiu P.	Qiu P.	B 48/2, 115-124 (1989)	42.55N
Miura N.	Yamada K.	A 48/2, 149-153 (1989)	05.40	Qu Yan,	Chen Zhihao,	B 48/3, 225-229 (1989)	42.80
Mlynek J.	Ankerhold G.	B 48/2, 101-104 (1989)	42.65P	Quan M.X.	Pang D.	A 48/4, 355-357 (1989)	74.701
Molnár B.	Engelmann H.	A 48/3, 211-217 (1989)	64.75	Quapp W.	Quapp W.	B 48/3, 257-260 (1989)	82.20F
Mondal M.	Ghatak K.P.	A 48/4, 365-371 (1989)	73.20	Quel E.J.	Alonso E.M.	B 48/3, 249-252 (1989)	33.00
Moretti A.	Ioli N.	B 48/4, 299-304 (1989)	42.55				
Moretti A.	Ioli N.	B 48/4, 305-309 (1989)	42.55	Rácz B.	Hebling J.	B 48/5, 401-403 (1989)	42.55N
Morgan P.E.D.	Marshall D.B.	A 48/1, 87-91 (1989)	74.60G	Ragaie H.F.	Akkad F.El		73.60F
Morinaga A.	Morinaga A.	B 48/2, 165-171 (1989)				A 48/5, 493-495 (1989)	
Mosca R.	Ghezzi C.	A 48/5, 457-463 (1989)	71.55	Rakowsky S.	Rakowsky S.	B 48/6, 463-466 (1989)	33.20k
Moser P.	Huguenin D.	A 48/6, 583-585 (1989)	61.70	Rama Rao K.V.S.	Nayak A.K.	B 48/5, 437-443 (1989)	82.50
Motoko K.		A 48/4, 343-346 (1989)	78.70	Rao P.R.K.	Manohar K.G.	B 48/6, 525-530 (1989)	31.60
				Rastogi A.C.	Lakshmikumar S.T.		74.40
Mouahid F.	Engelmann H.	A 48/3, 211-217 (1989)	64.75	Ratto J.J.	Marshall D.B.	A 48/1, 87-91 (1989)	74.600
Mugibayashi N.	Aoki K.	A 48/2, 161-169 (1989)	72.20H	Rauschenbach B.	Rauschenbach B.	A 48/4, 347-354 (1989)	61.80
Müller G.	Hofmann D.	A 48/4, 315-319 (1989)	72.80E	Rau U.	Peinke J.	A 48/2, 155-160 (1989)	05.45
Muller J.C.	Zundel T.	A 48/1, 31-40 (1989)	66.30	Redel T.	Schölch H.P.	A 48/4, 397-400 (1989)	74.70
Mutin P.	Mutin P.	B 48/5, 411-416 (1989)	33.20F	Reid J.	Hayward J.E.	B 48/1, 25-29 (1989)	42.601
				Reinert D.	Solka H.	B 48/3, 235-242 (1989)	35.80
Namajunas A.	Pozela J.	A 48/2, 181-188 (1989)	72.20	Reinert D.	Brüggemann R.	B 48/2, 105-110 (1989)	42.60
Navarro H.	Griffin J.A.	A 48/1, 41-47 (1989)	61.70	Ren C.X.	Chen J.M.	A 48/3, 277-281 (1989)	74.70
Nayak A.K.	Nayak A.K.	B 48/5, 437-443 (1989)	82.50	Renk K.F.	Lengfellner H.	A 48/5, 501-502 (1989)	73.601
Nicolet M-A.	Brunner A.J.	A 48/3, 229-232 (1989)		Reuter R.	Reuter R.	B 48/3, 219-224 (1989)	42.80
Nistor L.C.	Ursu I.	A 48/5, 451-456 (1989)	61.80	Ribnikar S.V.	Trtica M.S.	B 48/5, 379-382 (1989)	42.551
Nistor S.V.	Ursu I.	A 48/5, 451-456 (1989)	61.80	Riehle F.	Morinaga A.	B 48/2, 165-171 (1989)	32.00
Noll G.	Siegner U.	B 48/1, 21-23 (1989)	42.65R	Ringhofer K.H.	Ringhofer K.H.	B 48/5, 395-400 (1989)	42.50
Nomura K.	Fukuda K.	A 48/2, 171-175 (1989)	72.15N	Ristau D.	Ankerhold G.	B 48/2, 101-104 (1989)	42.65
Novero C.	Bava E.	B 48/6, 495-505 (1989)	32.80	Ritonga J.	Ritonga J.	B 48/5, 371-377 (1989)	07.60
		, , , , , , , , , , , , , , , , , , , ,		Rohatgi V.K.	Karthikeyan J.	A 48/5, 489-492 (1989)	74.70
Oolhofon P	Hastini D	A 49/6 SAD SEG (1000)	70.60	Röhricht B.	Peinke J.	A 48/2, 155-160 (1989)	05.45
Oelhafen P.	Ugolini D.	A 48/6, 549-558 (1989)	79.60	Roy S.K.	Banerjee J.P.	A 48/5, 437-443 (1989)	85.30
Oelhafen P.	Wittmer M.	A 48/6, 559-566 (1989)		Rückle B.	Czarnetzki U.	B 48/1, 37-40 (1989)	33.80
Ogawa T.	Ogawa T.	B 48/4, 327-338 (1989)	42.50	Rullier-Albenque F,		A 48/4, 335-341 (1989)	
Ohyama T.	Fujii K.	A 48/2, 189-191 (1989)					
Oka K.	Oka K.	B 48/1, 85-88 (1989)	42.80	Ryan J.C.	Ryan J.C.	B 48/2, 173-182 (1989)	42.55
Okazaki S.	Sakata I.	A 48/4, 295-304 (1989)					
Oldershaw G.A.	Dyer P.E.	B 48/6, 489-493 (1989)	82.50	Saemann-Ischenko G	Schölch H.P.	A 48/4, 397-400 (1989)	74.70
Osborne M.R.	Osborne M.R.	B 48/4, 351-356 (1989)	42.55G	Sakata I.	Sakata I.	A 48/4, 295-304 (1989)	61.40
Otsuka E.	Fujii K.	A 48/2, 189-191 (1989)		Sambongi T.	Fukuda K.	A 48/2, 171-175 (1989)	72.15
	Wittke W.	A 48/3, 289-294 (1989)		Sarkar S.K.	Nayak A.K.	B 48/5, 437-443 (1989)	82.50

1	Name	First Name	Applied Physics	PACS	Name	First Name	Applied Physics	PACS
-	- N	Watanaha M	D 49 /5 417 430 /1090)	42.5511	Uchikawa H.	Itoh T.	A 48/4, 321-323 (1989)	74.70
	Sarukura N. Sato H.	Watanabe M. Oka K.	B 48/5, 417-420 (1989) B 48/1, 85-88 (1989)	42.55H 42.80	Uehara K.	Uehara K.	B 48/2, 125-129 (1989)	42.60H
	Sauer R.	Irion E.	A 48/1, 25-30 (1989)	71.55H	Ugolini D.	Ugolini D.	A 48/6, 549-558 (1989)	79.60
	Scalabrin A.	Facin J.A.	B 48/3, 245-248 (1989)	42.55	Ugolini D.	Wittmer M.	A 48/6, 559-566 (1989)	73.40
	Schölch H.P.	Schölch H.P.	A 48/4, 397-400 (1989)	74.70	Ulbikas J.	Pozela J.	A 48/2, 181-188 (1989)	72.20
	Schöll E.	Schöll E.	A 48/2, 95-106 (1989)	72.20H	Ulmer G.	Campbell E.E.B.	A 48/6, 543-547 (1989)	79.20D
	Schötzau H.J.	Leuthard W.	B 48/1, 1-20 (1989)	42.55E	Urban W.	Brüggemann R.	B 48/2, 105-110 (1989)	42.60
S	Schötzau H.J.	Meier R.	B 48/3, 187-211 (1989)	52.00	Urban W.	Solka H.	B 48/3, 235-242 (1989)	35.80
	Schroeder W.A.	Osborne M.R.	B 48/4, 351-356 (1989)	42.55G	Ursu I.	Ursu I.	A 48/5, 451-456 (1989)	61.80
	Schulz M.	Pensl G.	A 48/1, 49-57 (1989)	71.55F	Usa M.	Scott R.Q.	B 48/2, 183-185 (1989)	87.10
	Schulz M.	Cabanski W.	A 48/3, 203-210 (1989) A 48/1, 59-85 (1989)	71.20 61.70	Ushizaka T.	Ritonga J.	B 48/5, 371-377 (1989)	07.60
	Schulz N. Scott R.Q.	Wichert Th. Scott R.Q.	B 48/2, 183-185 (1989)	87.10				
	Scuri F.	Carusotto S.	B 48/3, 231-234 (1989)	42.70	Vargas H.	Bento A.C.	B 48/3, 269-272 (1989)	78.90
	Segura A.	Segura A.	A 48/5, 445-450 (1989)	72.10	Vasconcellos E.C.C.	Facin J.A.	B 48/3, 245-248 (1989)	42.55
	Seiler D.G.	Song X.N.	A 48/2, 137-141 (1989)	72.20H	Venkatramani N.	Karthikeyan J.	A 48/5, 489-492 (1989)	74.70
	Servidori M.	Solmi S.	A 48/3, 255-260 (1989)	61.70	Venkitachalam T.V.	Nayak A.K.	B 48/5, 437-443 (1989)	82.50
	Shi BR.	Wang KM.	A 48/3, 241-244 (1989)	29.70G	Verbruggen A.H.	Verbruggen A.H.	A 48/3, 233-236 (1989)	06.00
	Shub V.E.	Ursu I.	A 48/5, 451-456 (1989)	61.80	Vocdopyanov K.L. Volkov S.Yu.	Vodopyanov K.L. Kozlov D.N.	B 48/6, 485-488 (1989) B 48/3, 273-283 (1989)	32.80K 42.65
	Sidhu J.	Dyer P.E.	B 48/6, 489-493 (1989)	82.50	Volkov S. Yu. Volpias V.A.	Czekaj D.	A 48/6, 573-574 (1989)	79.20
	Siebert D.	Engelmann H.	A 48/3, 211-217 (1989)	64.75	voipias v.A.	Czekaj D.	A 40/0, 3/3-3/4 (1909)	13.20
	Siegner U.	Siegner U.	B 48/1, 21-23 (1989)	42.65R	Wana II	Cur D.C	A 49 /6 567 571 (1090)	£2 90
	Siffert P.	Zundel T.	A 48/1, 31-40 (1989)	66.30	Wang H.	Sun D.C. Yih T.S.	A 48/6, 567-571 (1989) B 48/5, 421-426 (1989)	52.80 42.60
	Silva M. da	Bento A.C.	B 48/3, 269-272 (1989)	78.90	Wang H.S. Wang KM.	Wang KM.	A 48/3, 241-244 (1989)	29.70G
	Simon P.	Simon P.	B 48/3, 253-256 (1989)	42.60	Wang YH.	Wang KM.	A 48/3, 241-244 (1989)	29.70G
	Sitkin V.M.	Kudryavtsev Yu.A.	B 48/1, 93-96 (1989)	32.80F 61.70	Watanabe M.	Watanabe M.	B 48/5, 417-420 (1989)	42.55H
	Skudlik H. Smirnov V.V.	Wichert Th. Kozlov D.N.	A 48/1, 59-85 (1989) B 48/3, 273-283 (1989)	42.65	Watanabe S.	Watanabe M.	B 48/5, 417-420 (1989)	42.55H
	Solka H.	Solka H.	B 48/3, 235-242 (1989)	35.80	Weber J.	Griffin J.A.	A 48/1, 41-47 (1989)	61.70
	Solmi S.	Solmi S.	A 48/3, 255-260 (1989)	61.70	Weidner F.	Stamm U.	B 48/2, 149-153 (1989)	42.55N
	Solymar L.	Ringhofer K.H.	B 48/5, 395-400 (1989)	42.50	Weller A.	Weller A.	A 48/6, 509-515 (1989)	73.20D
	Song X.N.	Song X.N.	A 48/2, 137-141 (1989)	72.20H	Wichert Th.	Wichert Th.	A 48/1, 59-85 (1989)	61.70
1	Spangler J.	Spangler J.	A 48/2, 143-147 (1989)	05.40	Wittke W.	Wittke W.	A 48/3, 289-294 (1989)	42.78D
1	Sreekumar K.P.	Karthikeyan J.	A 48/5, 489-492 (1989)	74.70	Wittmer M.	Ugolini D.	A 48/6, 549-558 (1989)	79.60
1	Stafast H.	Dietrich T.R.	A 48/5, 405-414 (1989)	81.15G	Wittmer M.	Wittmer M.	A 48/6, 559-566 (1989)	73.40
	Stahn A.	Solka H.	B 48/3, 235-242 (1989)	35.80	Wu H.H.	Yih T.S.	B 48/5, 421-426 (1989)	42.60
	Stamm U.	Stamm U.	B 48/2, 149-153 (1989)	42.55M	Wynands R.	Grosse P.	B 48/1, 59-65 (1989)	07.650
	Starodunov Y.M.	Ursu I.	A 48/5, 451-456 (1989)	61.80				
	Stefanini G.	Carusotto S.	B 48/3, 231-234 (1989)	42.70	Xie L.M.	Chen J.M.	A 48/3, 277-281 (1989)	74.70
	Stetter M. Stoll H.	Schölch H.P. Verbruggen A.H.	A 48/4, 397-400 (1989) A 48/3, 233-236 (1989)	74.70 06.00	Xie YL.	Xie YL.	A 48/5, 497-500 (1989)	07.60
	Streckfuß N.	Hofmann D.	A 48/4, 315-319 (1989)	72.80E				
	Strumia F.	Ioli N.	B 48/4, 299-304 (1989)	42.55	Yamada K.	Yamada K.	A 48/2, 149-153 (1989)	05.40
	Strumia F.	Ioli N.	B 48/4, 305-309 (1989)	42.55	Yamamoto K.	Aoki K.	A 48/2, 111-125 (1989)	72.20F
	Stuke M.	Zhang Y.	B 48/1, 97-100 (1989)	81.15H	Yamanaka M.	Sakata I.	A 48/4, 295-304 (1989)	61.40
	Stützler H.	Konuma M.	A 48/5, 465-469 (1989)	81.60	Yang GZ.	Xie YL.	A 48/5, 497-500 (1989)	07.60
	Sugita K.	Arai S.	B 48/5, 427-435 (1989)	82.50	Yang J.	Chen J.M.	A 48/3, 277-281 (1989)	74.70
п	Suhr H.	Etspüler A.	A 48/4, 373-375 (1989)	81.15G	Yang Z.	Pang D.	A 48/4, 355-357 (1989)	74.70V
	Sun D.C.	Sun D.C.	A 48/6, 567-571 (1989)	52.80	Yao Huihai	Chen Zhihao	B 48/3, 225-229 (1989) B 48/5, 421-426 (1989)	42.80
	Suri B.M.	Manohar K.G.	B 48/6, 525-530 (1989)	31.60	Yih T.S. Yu J.	Yih T.S. Yu J.	B 48/1, 51-55 (1989)	42.60
	Susi E. Susi E.	Adegboyega G.A. Castaldini A.	A 48/4, 391-395 (1989) A 48/5, 431-436 (1989)	73.30 72.20J	Yu Z.Q.	Sun D.C.	A 48/6, 567-571 (1989)	
1	Taira Y.	Taira Y.	B 48/5, 389-394 (1989)	07.65	Zaim Cil C.	Aktulga E.	A 48/6, 517-520 (1989)	72.40
	Takuma H.	Taira Y.	B 48/5, 389-394 (1989)	07.65	Zandbergen H.W.	Zandbergen H.W.	A 48/4, 305-314 (1989)	74.70
	Talukdar R.	Manohar K.G.	B 48/6, 525-530 (1989)	31.60	Zavattini E.	Carusotto S.	B 48/3, 231-234 (1989)	42.70
	Tamasevicius A.	Pozela J.	A 48/2, 181-188 (1989)	72.20	Zaytsev A.G.	Czekaj D.	A 48/6, 573-574 (1989)	79.20
	Tan T.Y.	Gösele U.	A 48/3, 219-228 (1989)		Zemek J.	D'Anna E.	A 48/6, 503-507 (1989)	
	Teitsworth S.W.	Teitsworth S.W.	A 48/2, 127-136 (1989)	05.45	Zhang Y.	Zhang Y.	B 48/1, 97-100 (1989)	81.15F
- 1	Teixeira S.R.	Teixeira S.R.	A 48/5, 481-488 (1989)		Zheng C.E.	Letardi T. Chen J.M.	B 48/1, 55-58 (1989) A 48/3, 277-281 (1989)	52.80V 74.70
	Tendeloo G.van, Teodorescu V.S.	Zandbergen H.W. Ursu I.	A 48/4, 305-314 (1989) A 48/5, 451-456 (1989)		Zheng Y. Zhou YL.	Xie YL.	A 48/5, 497-500 (1989)	
	Thomas P.	Weller A.	A 48/6, 509-515 (1989)		Zielke D.M.	Auyeung R.C.Y.	B 48/4, 293-297 (1989)	42.650
	Thonke K.	Irion E.	A 48/1, 25-30 (1989)	71.55H	Zimmermann D.	Rakowsky S.	B 48/6, 463-466 (1989)	33.20k
	Tikhonenko V.V.	Bakhramov S.A.	B 48/3, 243-244 (1989)		Zimmermann W.	Solka H.	B 48/3, 235-242 (1989)	35.80
	Toth Cs.	Vodopyanov K.L.	B 48/6, 485-488 (1989)	32.80K	Zou S.C.	Chen J.M.	A 48/3, 277-281 (1989)	
	Trtica M.S.	Trtica M.S.	B 48/5, 379-382 (1989)		Zulehner W.	Irion E.	A 48/1, 25-30 (1989)	71.55E
	Tuczek F.	Engelmann H.	A 48/3, 211-217 (1989)		Zundel T.	Zundel T.	A 48/1, 31-40 (1989)	66.30
K	Tymper S.	Gerasimchuk A.	B 48/6, 513-516 (1989)	42.55E	Zysset B.	Zysset B.	B 48/2, 139-147 (1989)	87.60

.70 .40 .15N